	Application No.	Applicant(s)
Notice of Allowability	06/623,284	SPENCER ET AL
	Examiner	Art Unit
	John B. Sotomayor	3662
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to the letter re Removal of Security Markings filed May 25, 2005.		
2. The allowed claim(s) is/are 1-3.		
3. The drawings filed on 14 May 1984 are accepted by the Examiner.		
4.		
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dat B), 7. ☐ Examiner's Amendn	ė .
•		John B. Sotomayor Primary Examiner Art Unit: 3682

Application/Control Number: 06/623,284 Page 2

Art Unit: 3662

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-3 are allowed.

Examiner's Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

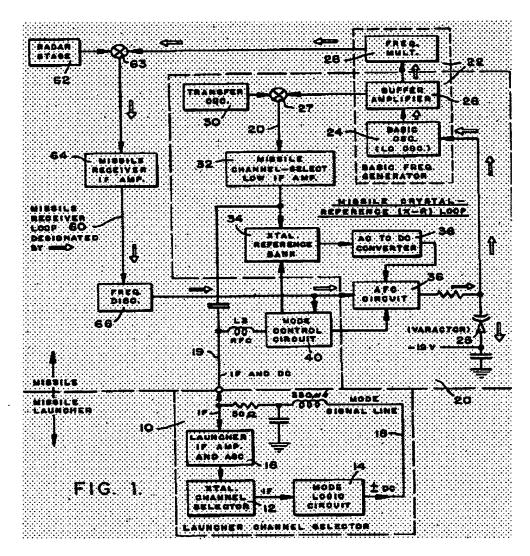
The prior art fails to render obvious the claimed semi-active radar guidance system including, inter alia, first means responsive to vibration-induced changes in the automatic frequency control (AFC) circuitry and generating a control signal and second means for correcting the polarity of the frequency control signal as claimed.

The prior art discloses AFC circuitry in missile guidance radar systems.

Exemplary of the prior art is US 3569965 A to Bagley, who shows an AFC circuit (36) in a missile guidance system as shown in Figure 1 (reprinted below).

Application/Control Number: 06/623,284

Art Unit: 3662



However, Bagley fails to render obvious the claimed method and apparatus for addressing the problem of phase reversal of the reference signal for the AFC circuit via correcting the polarity of the frequency control signal as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 06/623,284 Page 4

Art Unit: 3662

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The cited prior art show various radar systems.
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John B. Sotomayor whose telephone number is 571-272-6978. The examiner can normally be reached on Monday to Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom H. Tarcza, can be reached on 703-306-4171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Page 5

Application/Control Number: 06/623,284

Art Unit: 3662

John B. Sotomayor Primary Examiner Art Unit 3662